

AMENDMENTS TO THE CLAIMS

1. (Original) A device for preparing a needle free injector to deliver, comprising a cap covering an injection orifice of the injector; and a mechanism for changing the injector from a first, safe state to a second, ready to deliver state; wherein the device ensures that the cap is removed before the injector is placed in the ready to deliver state
2. (Original) The device as claimed in 1, wherein the device is a separate from the injector.
3. (Original) The device as claimed in 1, wherein the device is an attachment to the injector.
4. (Previously Presented) The device as claimed in claim 3, wherein the mechanism for changing the injector from the first state to the second state comprises a latch, and wherein the device further comprises a mechanism for moving the latch from a first position to a second position, wherein the mechanism for moving the latch comprises a pin and a means for actuating the pin, wherein, upon actuating the pin, the pin pushes the latch from the first position to the second position.
5. (Original) The device as claimed in claim 4, wherein the means for actuating the pin comprises a lever movable from a first position to a second position, and a collar at least partially encircling the injector, wherein actuating the lever moves the collar which moves the pin against the latch wherein the latch is moved from the first position to the second position.
6. (Previously Presented) The device as claimed in 4, wherein the mechanism for changing the injector from the safe state to the ready to deliver state, further comprises:
an additional safety mechanism to prevent triggering of the injector;
wherein moving of the latch from the safe position to the first position removes the safety mechanism;
and

wherein at least part of the collar comprises an additional safety mechanism to prevent triggering of the injector, the additional safety mechanism being disengaged when the collar moves under the action of the lever moving from the first position to the second position.

7. – 8. (Canceled)

9. (Previously Presented) The device as claimed in claim 6, wherein the additional safety mechanism to prevent triggering of the device comprises a block, with said block being engaged when the lever is in the first position and disengaged when the lever is in the second position.

10. (Previously Presented) The device as claimed in 3, wherein moving of the lever exposes a button, wherein pressing of the button causes delivery of the injector contents.

11. (Original) The device as claimed in 1, wherein the mechanism comprises a lever, wherein the lever is movable only after the cap is removed, wherein rotating the lever places the injector in the ready to deliver state.

12. (Previously Presented) The device of claim 3, wherein the device comprises a lever, and the end of the lever is attached to the cap, and the base of the lever actuates the safety mechanism.

13. (Previously Presented) The device of claim 5, configured such that when the cap is removed, the end of the lever is exposed, allowing the lever to pivoted, thereby placing the device in the ready to deliver state.

14. (Previously Presented) The device of claim 9, wherein the act of pressing the delivery orifice against the delivery site is what triggers the device to deliver.

15. (Previously Presented) The device of claim 14, wherein said needle free injector comprises a sleeve, and the act of pressing the delivery orifice against the delivery site results in bringing an aperture in the wall of the sleeve into alignment with the latch which triggers the device to deliver.

16. (Previously Presented) The device of claim 15, wherein the block blocks the movement of the sleeve, preventing triggering of the device when it is not in the ready to deliver state; and wherein the cap is removed by being snapped off at a frangible joint.

17. (Previously Presented) The device of claim 15, wherein the latch moves into the aperture under the force exerted on it by a cam surface formed in a dispensing member.

18. (Previously Presented) A drug delivery system, comprising a needle free injector, which needle free injector comprises a cap; a mechanism for changing the injector from a first, safe state to a second, ready to deliver state; wherein the system ensures that the cap is removed before the injector is placed in the ready to deliver state; further wherein the system comprises an additional safety mechanism to prevent triggering of the device.

19. (Previously Presented) The drug delivery system of claim 18, wherein the mechanism comprises a lever.

20. (Previously Presented) The drug delivery system of claim 19, wherein to remove the cap, the cap must be snapped off at a frangible joint.

21. (Previously Presented) The drug delivery system of claim 20, wherein snapping off the cap exposes the end of the lever to allow the lever to pivot, placing the device in the ready to deliver state.

22. (Previously Presented) The drug delivery system of claim 21, wherein the act of pressing the delivery orifice against the delivery site moves a sleeve, triggering the device to deliver.

23. (Previously Presented) The drug delivery system of claim 22, wherein the additional safety mechanism prevents triggering of the device by blocking movement of the sleeve.

24. (Previously Presented) The drug delivery system of claim 23, wherein the movement of the sleeve exposes a latch to an aperture.

25. (Previously Presented) A method of needle free delivery of a drug, comprising:
loading a cartridge having a drug therein into a needle free drug delivery device;
compressing a spring of the device to provide a store of energy;
moving a latch from a first safe position to a second ready position;
placing a dispensing nozzle of the device against skin of a patient;
moving the latch out of a slot on the device to thereby remove safety mechanisms of the device; and
triggering the mechanism to release the stored energy of the spring and thereby force drug in the cartridge out of the dispensing nozzle and through the skin of the patient.

26. (Previously Presented) The method of claim 25, further comprising:
removing a cap covering the dispensing nozzle.

27. (Previously Presented) The method of claim 26, wherein the cap is removed after the latch is moved to the second ready position.

28. (New) The device as claimed in claim 4, wherein the mechanism for changing the injector from the safe state to the ready to deliver state, further comprises:

an additional safety mechanism to prevent triggering of the injector wherein the additional safety mechanism is disengaged when the lever is actuated.

29. (New) A device for preparing a needle free injector to deliver, comprising:
a cap covering an injection orifice of a needle free injector the cap connected to the injector by a flangible joint;
a latch mechanism for changing an actuator of the injector from a first, safe state to a second, ready to delivery state;
a pin and a lever which moves the latch from the first to the second state.

30. (New) A device as claimed in claim 29, further comprising:
a collar which slidably fits over the latch mechanism and slides away from the latch mechanism to provide access to the latch mechanism.

31. (New) A method of needle free delivery of a drug, comprising:
compressing a spring in a needle-free delivery device to provide a store of energy;
loading a cartridge having a drug therein into the device;
moving a latch from a first safe position to a second ready position;
removing at least one additional safety mechanism of the device;
placing a dispensing nozzle of the device against skin of a patient;
moving the latch out of a slot on the device thereby triggering release of stored energy of the spring;

and

forcing drug in the cartridge out of the dispensing nozzle and through the skin of the patient.

32. (New) The method of claim 31, further comprising:

removing a cap covering the dispensing nozzle, the cap being removed prior to placing the dispensing nozzle against the patient's skin.

33. (New) The method of claim 32, wherein the cap is removed before the latch is moved to the second ready position.